Amendments to the Claims:

1. (Previously presented) A distributed system comprising:

a plurality of cooperative processes running on a plurality of processors of a computer network to accomplish a distributed transaction, each process logging, in a local resource, records of execution of the distributed transaction by the process on its processor; and

a system synchronizer sending a timing message to be logged to the plurality of cooperative processes;

a search engine running on each of the plurality of processors, each search engine retrieving corresponding records of execution in response to a query regarding the distributed transaction.

2. (Original) A distributed system as in claim 1, wherein the query is issued to the processors as a distributed query.

3. (Withdrawn) A distributed system as in claim 1, wherein the query is issued from a client performing debugging of the distributed system.

4. (Withdrawn) A distributed system as in claim 1, wherein the query is issued from a client performing an audit trail of distributed transactions.

5. (Withdrawn) A distributed system as in claim 1, wherein the query is issued from a client performing monitoring of a manufacturing process.

6. (Withdrawn) A distributed system as in claim 1, wherein the query is issued from a client performing monitoring of a business process.

7. (Withdrawn) A distributed system as in claim 1, wherein the query is issued from a client performing application integration.

8. (Original) A distributed system as in claim 1, wherein the query is issued from a client which merges the results received from search engines responding to the query.

9. (Original) A distributed system as in claim 8, wherein the client applies program rules on the merged results to determine correct operation of the distributed system.

10. (Original) A distributed system as in claim 1, wherein each search engine generates indices to the records of execution.

11. (Original) A distributed system as in claim 10, wherein the indices is created in memory.

12. (Original) A distributed system as in claim 11, wherein a portion of the indices are stored onto disk after a specified time period.

13. (Currently amended) A distributed system as in claim 11, wherein the indices in memory and the portion of the indices stored onto disk are merged at irregular time intervals ~~from time to time~~.

14. (Previously presented) A method for analyzing a distributed system, comprising:

running a plurality of cooperative processes on a plurality of processors of a computer network to accomplish a distributed transaction, each process logging, in a local resource, records of execution of the distributed transaction by the process on its processor;

sending a timing message to be logged to the plurality of cooperative processes; and

running a search engine on each of the plurality of processors, each search engine retrieving corresponding records of execution in response to a query regarding the distributed transaction.

15. (Original) A method as in claim 14, wherein the query is issued to the processors as a distributed query.

16. (Withdrawn) A method as in claim 14, wherein the query is issued from a client performing debugging of the distributed system.

17. (Withdrawn) A method as in claim 14, wherein the query is issued from a client performing an audit trail of distributed transactions.

18. (Withdrawn) A method as in claim 14, wherein the query is issued from a client performing monitoring of a manufacturing process.

19. (Withdrawn) A method as in claim 14, wherein the query is issued from a client performing monitoring of a business process.

20. (Withdrawn) A method as in claim 14, wherein the query is issued from a client performing application integration.

21. (Original) A method as in claim 14, wherein the query is issued from a client, further comprising merging in the client the results received from search engines responding to the query.

22. (Original) A method as in claim 21, further comprising applying in the client

program rules on the merged results to determine correct operation of the distributed system.

23. (Original) A method as in claim 14, further comprising generating in each search engine indices to the records of execution.

24. (Original) A method as in claim 23, wherein the indices are created in memory.

25. (Original) A method as in claim 24, further comprising storing a portion of the indices onto disk after a specified time period.

26. (Currently amended) A method as in claim [[25]] 24, further comprising merging, ~~from time to time~~ at irregular time intervals, the indices in memory and the portion of the indices stored onto disk.